

Abstract

In an electronically commutated electrical machine, in particular motor, having a stator (30) that has primary teeth (34) partitioned off by slots (33), and having a stator winding (37), produced of insulated winding wire (38), that has k winding phases (41-44), each with l parallel branches (45) each of m series-connected coils (40), placed in the slots (33) and wound around the primary teeth (34), as well as contact hooks (39) connected to the l parallel branches (45) of each winding phase (41-44), which contact hooks form phase terminals (B1, B2, A2, A1) and star points (SB, SA) of each winding phase (41-44), where k , l and m are integers greater than 1, in order to optimize the laying of winding wire around the winding holder, some of the l parallel branches (45), belonging to one winding phase (41-44), are contacted to the star point (SB, SA) of another winding phase (44-41) (Fig. 2).